

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:6257
ANSWERED ON:12.04.2017
Automatic Weather Stations
Biswas Shri Radheshyam

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of Automatic Weather Stations, State/UT-wise along with their activities including in Assam;
- (b) whether modern technology used in the weather stations in the country; and
- (c) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a) The total number of Automatic Weather Stations (AWS) installed in the country are 706 including Assam. The details of stations are in Annexure-1.

The AWS observes and communicates real time weather observations on hourly basis via a local link to a computer system or via telecommunications or satellite systems. Most automatic weather stations have Thermometer for measuring temperature, Anemometer for measuring wind speed, Hygrometer for measuring humidity, Barometer for measuring pressure. Some of them even have rain gauge for measuring rainfall known as automatic rain gauge (ARG).

(b) Yes Madam.

(c) IMD has installed 125 AWS network all over India during 2006-2007 with satellite communication (Pseudo Random Bit Sequence (PRBS) technology).

IMD has again installed 500 AWS network all over India during 2008-2012 with satellite communication (Time-division multiple access (TDMA) technology).

IMD has purchased 300 Nos. Data logger with dual communication (satellite as well as General Packet Radio Service (GPRS)) and will upgrade 300 Nos. of AWS system.